

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Patrick KNEBEL

Application No.: 09/496,844

Filing Date: 2/2/2000

Title: METHOD AND COMPUTER SYSTEM FOR DECOMPOSING MACROINSTRUCTIONS INTO MICROINSTRUCTIONS AND EXECUTING THE MICROINSTRUCTIONS SIMULTANEOUSLY

Confirmation No.: 6757

Examiner: Huisman, David J.

Group Art Unit: 2183

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

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NOV 29 2002

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Technology Center 2100

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below ( ) Supplemental Declaration  
(X) No additional fee (Address envelope to "Box Non-Fee Amendments")  
(X) Other: Drawing Transmittal Letter along with Figure 3 (fee \$ )

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	19	MINUS	20	= 0	X \$18	\$ 0
INDEP. CLAIMS	3	MINUS	3	= 0	X \$84	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$400.00	3RD MONTH \$920.00	4TH MONTH \$1440.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit:

Typed Name:

Signature: \_\_\_\_\_

Respectfully submitted,

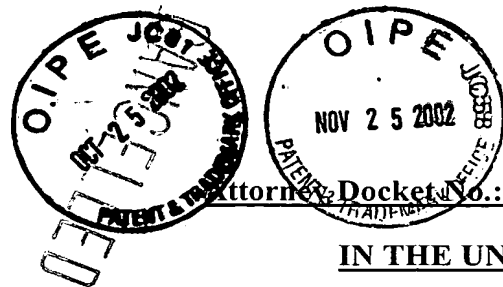
Patrick KNEBEL

By

Sean S. Wooden

Attorney/Agent for Applicant(s)  
Reg. No. 43,997

Date: 11/25/2002



Attorney Docket No.: 10971393-1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Patrick KNEBEL

Examiner: Huisman, David J.

Serial No.: 09/496,844

Art Unit: 2183

Filed: 02/02/2000

For: (As Amended) METHOD AND COMPUTER SYSTEM FOR  
DECOMPOSING MACROINSTRUCTIONS INTO  
MICROINSTRUCTIONS AND EXECUTING THE  
MICROINSTRUCTIONS SIMULTANEOUSLY

**RECEIVED**

**Box Non-Fee Amendment**  
Commissioner of Patents  
Washington, D.C. 20231

**NOV 29 2002**

**Technology Center 2100**

AMENDMENT AND RESPONSE

Sir:

In response to the August 27, 2002, Office Action, please amend the above-identified application as follows:

**In the Specification:**

Please replace the title with the following new title:

~~METHOD AND COMPUTER SYSTEM FOR DECOMPOSING  
MACROINSTRUCTIONS INTO MICROINSTRUCTIONS AND EXECUTING THE  
MICROINSTRUCTIONS SIMULTANEOUSLY~~

Please replace the paragraph beginning at page 8, line 26 and ending at page 9, line 2 with the following paragraph:

Op1 is the oldest instruction, and if it takes a fault, the processor must flush all younger operations (op2 - opN). If the processor executes two operations in parallel and pipelines new operations every cycle, all these operations might be "in flight" at the same time. For example, op1 and op2 might have issued in parallel and may be close to completion, while op3 and op4 are in flight one cycle behind, op5 and op6 are in flight two cycles behind, etc. If op1 takes an exception, all operations (op1 through op6) must be flushed. But if op2 takes an exception, only operations op2 through op6 must be flushed.